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The Cicindelinae
of North America as arranged
by Dr. Walther Horn in Genera
Insectorum.

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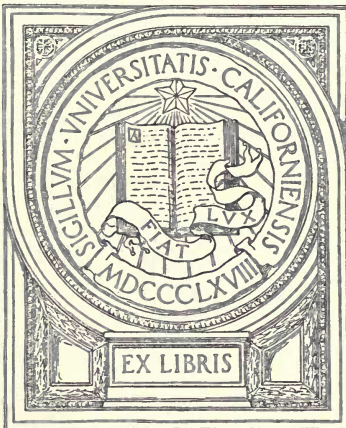
E.D. Harris and C.W. Leng

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THE
CICINDELINÆ
OF
NORTH AMERICA

AS ARRANGED BY
DR. WALTHER HORN
IN
GENERA INSECTORUM

E. D. HARRIS AND C. W. LENG, EDITORS

DISTRIBUTED BY
THE AMERICAN MUSEUM OF NATURAL HISTORY

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INTRODUCTION

The treatment of the Subfamily Cicindelinae having been completed by Dr. Walther Horn in the *Genera Insectorum*,* it seems advisable to publish, for the use of American students, an abstract of the portions devoted to the classification of the North American genera.

The entire work of Dr. Horn covers 476 pages and embraces exhaustive treatises on the anatomy and phylogeny of the Cicindelinae as an introduction to the classification of the genera of which the subfamily is composed. This introductory matter is of special interest because of the value ascribed by the author to the pubescence (particularly of the Cicindelæ) as a guide in the classification of that genus. In 1899 (*Deutsche Ent. Zeitschr.*, p. 34) Dr. Horn had called attention to the parallelism existing between the pubescence and the elytral markings. In 1906 (*Ib.*, p. 336) he emphasized his theory by suggesting that there had been an evolution from immaculate forms, in which only constant hairs occur, to forms exhibiting complex markings, accompanied by ornamental pubescence as well as constant hairs. In his last work the words "maculation and ornamental pubescence are both products of concurrent evolution" still more emphatically establish the author's grounds for his subsequent classification. The maculation being subject to such great degree of variation from climatic and other causes as to become liable to mislead if relied upon in classification, he considers the pubescence, and especially the constant hairs, which to some extent at least escape such variation, the safer guide. The recognition of the constant hairs becomes therefore of importance, and pp. 210 to 222 of Dr. Horn's work are devoted to them. Usually these are "long, thin, erect and few in number," those of the trochanters being of that kind; the ornamental hairs are "short, thick, decumbent, and countless in number," those of the clypeus and pronotum affording examples. The constant hairs are, however, sometimes short and bristle-like, as on parts of the

**Genera Insectorum* dirigés par P. Wytzman, *Coleoptera Adephaga* von Dr. Walther Horn, Fasc. 82A (1908), 82B (1910), 82C (1915), Bruxelles.

legs, and are always to be more readily recognized as being borne on a definite part of the body, and invariably in an erect position.

In the "Systematischer Index der Cicindeliden," published by Dr. Horn in 1905, he attempted the arrangement of the species on the grounds outlined. A comparison of the list therein given with that in the *Genera Insectorum* discloses numerous modifications, in the order of the genera and of the species, as well as in the relative values of subspecies and varietal forms, all of which modifications have undoubtedly been brought about by the author's more recent investigations of the subject. In the case of the North American genera, for instance, the "Index" places the Cicindelini first, followed respectively by the Tetrachæ, Omus and Amblycheilæ. In the *Genera Insectorum* Amblycheilæ lead, with Omus, Tetrachæ and Cicindelini following. In both publications the Cicindelini are broken into six geographical divisions, to one of which, the "Nearktische," are assigned the species inhabiting North America as far south as "Nicaragua-Costarica," omitting the West Indian forms which are included with the South American. These Nearctic species Dr. Horn has separated into sixteen groups, each distinguished by peculiar features in the vestiture, set forth in the respective introductory paragraphs, literal translations of which will be found in their proper places in this publication. The list of specific forms in the *Genera Insectorum* is accompanied by a wealth of bibliographical references, the value of which can hardly be estimated. They form, in their entirety, the guide to a comprehensive history of the genera, such as has not before been attempted, adding immeasurably to the interest and scientific value of the work.

The concluding pages of Dr. Horn's work in the *Genera Insectorum* (pp. 443'4), forming the "2d Supplement," and penned in April, 1915, are occupied in part with a rearrangement of the Omus Table of a preceding portion of the work (pp. 124'6), and includes forms at that time unknown. This rearrangement has been used by the editors on pp. 1, 2 and 3.

Dr. Horn's order of classification of the species and of their varietal forms, has been scrupulously followed by the editors of this compilation. They have, however, in the selection of type, employed such styles as would more readily express the author's distinction between such varietal forms. Specific names are printed in bold-faced type,

italics being used for synonymic names, and for those exhibiting, in the opinion of the author, minor differences of slight importance; ordinary Roman type is used for names of forms of subordinate rank, and where such names are preceded by a numeral, the Roman numerals (I, II, etc.) indicate the higher, the Arabic (1, 2, etc.) the lower rank; the abbreviations (dlt-F, etc.) preceding some of the names in Roman type indicate certain characteristics of color or maculation which are thus explained:

alb-F	Form with white or substantially white elytra.
c-F	Bluish Form.
cc-F	Blue Form.
cfl-F	Form with markings entirely confluent at margin.
con-F	Form with marginal middle spot confluent with the corresponding discal spot.
cmpl-F	Form with fully developed normal markings.
dlc-F	Form with markings uniformly reduced.
dlt-F	Form with markings uniformly widened.
hm-F	Form with a complete humeral lunule.
inorn-F	Form without any, or any important, markings.
mtl-F	Metallic Form.
n-F	Blackish Form.
nn-F	Black Form.
r-F	Red Form.
scfl-F	Form with partial confluence of markings at margin.
v-F	Greenish Form.
vv-F	Green Form.
v-c-F	Greenish-blue Form.

The notation of species used in these pages is that of the author.

It is proper to add that this work has been prepared and is presented to American students with the knowledge and cordial consent of Dr. Horn.

EDWARD DOUBLEDAY HARRIS,
CHARLES W. LENG,

Editors.

NEW YORK, April 15th, 1916.

CONSPECTUS OF ARRANGEMENT

FAMILY CARABIDÆ

SUBFAMILY CICINDELINÆ

OF THE NEARCTIC REGION

TRIBE MEGACEPHALINI

SUBTRIBE OMINA

GENUS AMBLYCHEILA

GENUS OMUS

SUBTRIBE MEGACEPHALINA

GENUS MEGACEPHALA

GROUP TETRACHA

TRIBE CICINDELINI

SUBTRIBE CICINDELINA

GENUS CICINDELA

CICINDELINÆ

AMBLYCHEILA, Say, Journ. Acad. Nat. Sc. Phil., 1823.

1. *cylindriformis*, Say. Ib. 1823.

1) *Picolomini*, Reiche, 1839.

cylindriformis, Thomson, 1857.

2. **Baroni**, Rivers, Ent. Amer., 1890.

longipes, Casey, 1910.

1) **Schwarzi**, W. Horn, 1903.

Picolomini, Rivers, 1893.

OMUS, Eschscholtz, Zool. Atlas, 1829.

1. **Dejeani**, Reiche, Ann. Soc. Ent. Fr., 1838.

2. *submetallicus*, G. Horn, Trans. Am. Ent. Soc., 1868.

3. *californicus*, Eschscholtz, Zool. Atlas, 1829.

Xanti, LeConte, 1859.

Hornianus, W. Horn, 1892.

sculptilis, Casey, 1897.

minus, Casey, 1910.

vermiculatus, Casey, 1914.

1) *oregonensis*, Casey, 1913.

minus, W. Horn, 1910.

2) *humeroplanatus*, W. Horn, 1910.

?borealis, Casey, 1910.

3) **VanDykei**, W. Horn, 1903.

submetallicus, Rivers olim, 1902.

4) **Audouini**, Reiche, 1838.

parvulus, Casey, 1913.

5) *ambiguus*, Schaupp, 1884.

rugipennis, Casey, 1914.

solidulus, Casey, 1914.

6) *punctifrons*, Casey, 1897.

confluens, Casey, 1897.

degener, Casey, 1910.

"*Sierra Co. Form.*," W. Horn, 1902.

- 7) *sequoiarum*, Crotch, 1874.
lugubris, Casey, 1897.
sierricola, Casey, 1913.
longitarsis, Casey, 1914.
- 8) *fraterculus*, Casey, 1910.
"Placer Co. Form of Van Dyke," W. Horn, 1902.
rugipennis, Van Dyke in litt.
- 9) *Horni*, Le Conte, 1875.
collaris, Casey, 1910.
compositus, Casey, 1910.
"*sequoiarum* var. *Crockers*," W. Horn, 1902.
- 10) *levis* (pro *lævis*), Le Conte, 1866.
sublevis, Hopping, in litt.
tularensis, Casey, 1910.
gracilior, Casey, 1910.
temperatus, Casey, 1914.
opacellus, Casey, 1914.
- 11) *Edwardsi*, Crotch, 1874.
montanus, Casey, 1897.
lobatus, Casey, 1910.
lucidicollis, Casey, 1910.
brunnescens, Casey, 1910.
- 12) *intermedio-pronotalis*, W. Horn, 1913.
pronotalis, Casey, 1914.
- 13) *Nunenmacheri*, W. Horn, 1913.
- 14) *angusto-cylindricus*, W. Horn, 1913.
cylindricus, Casey, 1914.
- 15) *intermedius*, Leng, 1902.
procerus, Casey, 1910.
parvicollis, Casey, 1910.
spissipes, Casey, 1913.
cribripennis, Casey, 1910.
"*Gebirgs-Lecontei*," W. Horn, 1902.
- 16) *Blaisdelli*, Casey, 1910.
- 17) *Fuchsi*, W. Horn, 1903.
elongatus, W. Horn olim, 1902.

- 18) Lecontei, G. Horn, 1872.
elongatus, Casey, 1897.
Dunni, Casey, 1910.
regularis, Casey, 1910.
maritimus, Casey, 1910.

MEGACEPHALA, Group **TETRACHA**, Hope. Col. Manual, 1838.

1. (41) *carolina*, Linné, Syst. Nat., 1766.
mexicana,* Gray, 1832.
 - 1) Chevrolati,* Chaudoir, 1860.
 - 2) cyanides,* Bates, 1881.
2. (56) *sobrina*,* Dejean, Spec. Col., 1831.
geniculata,* Chevrolat, 1834.
3. (57) *affinis*,* Dejean, Spec. Col., 1825.
 - 1) angustata,* Chev., 1841.
 - 2) fuliginosa,* Bates, 1874.
4. (62) *virginica*, Linné, Syst. Nat., 1766.
virginata, Linné, 1788.

CICINDELA, Linné, Syst. Nat., 1758.

I. Four front trochanters with constant hairs. Cheeks naked, or with distant, often very sparse, not decumbent hairs, never closely clothed with decumbent white hairs. Clypeus often setose. Front with discoidal constant hairs, often erect, or with numerous supra-orbital constant hairs. Middle part of occiput never regularly clothed with decumbent hairs directed downwards.¹ Front never setose above the antennal insertion only. Disc of the front often slightly excavated at middle or with the occiput separated therefrom by its strong declivity. First antennal joint often thickly beset with short setæ. Pronotum at least rudimentally pubescent at sides, often both circummarginally and discoidally. The hair structure is often long and fine, almost always (all or in part) erect; *when the front is more strongly setose, decumbent hairs usually occur on the pronotum.*² Edge of front and hind margin without a well-developed fringe of hair. Prosternum almost always naked. Breast at sides always with countless hairs. Femora on the posterior edge (and sometimes also on anterior edge especially the front femur) with long erect hairs but never uniformly clothed over the entire outer side (under side) with fine short decumbent hairs, nor with fishhook hairs. Constant hairs on the coxæ and the supra-orbital margin usually numerous.

¹ This middle part of the occiput is either entirely naked or clothed with erect hairs which are directed either upwards or from the middle towards the sides.

² Decumbent pronotal pubescence, in combination with setæ, occurs only in *Cicindela formosa*, *hirticollis*, *pimeriana* and *pulchra*.

* Not noted by Dr. Horn as occurring north of Mexico.

1. **formosa**, Say, Journ. Acad. Nat. Sci. Phil., 1817.
luxuriosa, Casey, 1913.
 1) (dlt-F) *manitoba*, Leng, 1902.
 2) *generosa*, Dejean, 1831.
latecincta, Le Conte in litt.
 2. **Lengi**, W. Horn, Deutsche Ent. Zeits., 1908.
venusta, Le Conte, 1848.
versuta, Casey, 1913.
gracilentia, Casey, 1913.
 3. **limbata**, Say, Journ. Acad. Nat. Sci. Phil., 1823.
limbigera, Gem. & Har., 1868.
 (dlt-F) *nympha*, Casey, 1913.
 (cmpl-F) *hyperborea*, Le Conte, 1863.
 4. **purpurea**, Olivier, Ent., 1790.
marginalis, Fab., 1801.
ramosa, Melsheimer in litt.
superba, Dahl in litt.
- Color variations (Farbenabänderungen).
- (v-F) *Auduboni*, Le Conte, 1845.
 - (v-F) *graminea*, Schaupp, ex parte, 1883'4.
auguralis, Casey, 1913.
 - (vv-F) *pugetana*, Casey, 1914.
 - (senile-F) *spretta*, Le Conte, 1848.
inducta, Casey, 1913.
 - (nn-F) *Auduboni*, Le Conte, 1856.
 - (nn-F) *spretta*, Le Conte, 1856.
 - 1) *lauta*, Casey, 1897.
franciscana, Casey, 1913.
mirabilis, Casey, 1914.
 - (vv-F) *graminea*, Schaupp, ex parte, 1883'4.
- I. **splendida**, Hentz, 1830.
discus, Klug, 1834.
- 1) (r-F) *transversa*, Leng, 1902.
 - 2) (vv-F) *denverensis*, Casey, 1897.
graminea, Casey, 1913.
conquisita, Casey, 1914.
oreada, Casey, 1914.

- 3) (cc-F) Ludoviciana, Leng, 1902.
- II. *limbalis*, Klug, 1834.
amoena, Le Conte, 1848.
splendida, Le Conte, 1856.
arvemeana, Casey, 1913.
eldorensis, Casey, 1913.
- III. *cimarrona*, Le Conte, 1868.
ardelio, Casey, 1913.
- IV. *decemnotata*, Say, 1817.
Lantzi, E. D. Harris, 1913.
albertina, Casey, 1913.
5. *ancocisconensis*, Harris, Family Visitor, 1852.
Catharina, Harris in litt.
Dowiana, Casey, 1914.
6. *duodecimguttata*, Dejean, Spec. Col., 1825.
proteus, Kirby, 1837.
bucolica, Casey, 1913.
- 1) *repanda*, Dejean, 1825.
hirticollis, Gould, 1834.
baltimorensis, Le Conte, 1856.
(scfl-F) *unijuncta*, Casey, 1897.
7. *hirticollis*, Say, Journ. Acad. Nat. Sci. Phil., 1817.
interpunctata, Melsheimer, 1806.
albohirta, Dejean, 1826.
Dejeani, Le Conte in litt.
humeralis, Le Conte in litt.
unita, Kollar, 1836.
hydropica, Dupont in litt.
(dlt-F) *ponderosa*, Thomson, 1859.
(dlc-F) *nigrita*, C. A. Davis, 1903 (name preoc.).
(dlc-F) *abrupta*, Casey, 1913.
(v-mtl-F) *gravida*, Le Conte, 1851.
8. *latesignata*, Le Conte, Ann. Lyc. Nat. Hist., N. Y., 1851.
(cmpl-F) *tenuicincta*, Blaisdell, 1892.
(dlt-F) *obliviosa*, Casey, 1913.
9. *tranquebarica*, Herbst, Käfer, 1806.
vulgaris, Say, 1818.

obliquata, Dej., 1825.

turbulenta, Casey, 1913.

wichitana, Casey, 1914.

(nn-F) *lassenica*, Casey, 1914.

1) *minor*, Leng, 1910.

vulgaris-minor, E. D. Harris, 1911.

crinifrons, Casey, 1913.

2) (mtl-F) *horiconensis*, Leng, 1902.

borealis, E. D. Harris, 1911.

3) *Kirbyi*, Le Conte, 1866.

obliquata, Kirby, 1837.

(cfl-F) *admiscens*, Casey, 1913.

?*diffRACTA*, Casey, 1909.

I. *sierra*, Leng, 1902.

1) *vibex*, G. Horn, 1866.

roguensis, E. D. Harris, 1901.

parallelonota, Casey, 1914.

(vv-F) *viridissima*, Fall, 1910.

(mtl-F) *moapana*, Casey, 1914.

II. *plutonica*, Casey, 1897.

10. *tenuicincta*, Schaupp, Bull. Brooklyn Ent. Soc., 1883'4.

11. *bellissima*, Leng, Trans. Amer. Ent. Soc., 1902.

hyperborea, G. Horn, 1866.

12. *longilabris*, Say, Long's Exped., 1824.

albilabris, Kirby, 1837.

(nn-dlc-F) *montana*, Lec., 1861.

canadensis, Casey, 1913.

(nn-inorn-F) *nebraskana*, Casey, 1909.

calgaryana, Casey, 1914.

(mtl-inorn-F) *vestalia*, Leng, 1902.

(mtl-inorn-F) *spissitarsis*, Casey, 1913.

(mtl-dlc-F) *Oslari*, Leng, 1902.

(mtl-cmpl-F) *Laurenti*, Schaupp, 1883'4.

"*longilabris* var.," Le Conte, 1866.

1) *perviridis*, Schaupp, 1883'4.

ostenta, Casey, 1913.

placerensis, Casey, 1913.

13. **eureka**, Fall, Ent. News, Phil., 1901.
14. **oregona**, Le Conte, Trans. Amer. Phil. Soc., 1856.
 - senilis*, Casey, 1897.
 - sonoma*, Casey, 1913.
 - quadripennis*, Casey, 1913.
 - ovalipennis*, Casey, 1913.
 - 1) *guttifera*, Le Conte, 1856.
 - sterope*, Casey, 1913.
 - audax*, Casey, 1913.
 - 2) *maricopa*, Leng, 1902.
 - 3) *scapularis*, Casey, 1909.
 - I. *depressula*, Casey, 1897.
 - "*?oregona*," Le Conte, 1856.
15. **senilis**, G. Horn, Proc. Acad. Nat. Sci. Phil., 1866.
 - exoleta*, Casey, 1909.
16. **Willistoni**, Le Conte, Bull. Geol. Geogr. Sur., 1879.
 - 1) *echo*, Casey, 1897.
 - amadeensis*, Casey, 1909.
 - 2) *pseudosenilis*, W. Horn, 1900.
17. **fulgida**, Say, Journ. Acad. Nat. Sc. Phil., 1823.
 - 1) *parowana*, Wickham, 1905.
18. **pulchra**, Say, Journ. Acad. Nat. Sc. Phil., 1823.
19. **pimeriana**, Le Conte, Proc. Acad. Nat. Sc. Phil., 1866.
 - viatica*, Le Conte, 1856.
 - cochisensis*, Casey, 1909.
20. **scutellaris**, Say, Journ. Acad. Nat. Sc. Phil., 1823.
 - 1) (r-mtl-cmpl-F) *modesta*, Dejean, 1825.
 - Lecontei*, Haldeman, 1853.
 - Criddlei*, Casey, 1913.
 - 2) (vv-cmpl-F) *rugifrons*, Dejean, 1825.
 - denticulata*, Harris in litt.
 - Oberleitneri*, Gistel, 1837.
 - varians*, Harris in litt.
 - mutans*, Harris in litt.
 - variata*, Harris in litt.
 - carolina*, E. D. Harris, 1911.
 - (v-c-inorn-F) *unicolor*, Dejean, 1825.

(nn-inorn-F) *nigrior*, Schaupp, 1883'4.

(nn-cmpl-F) *obscura*,¹ Say, 1818.

(nn-cmpl-F) *modesta*, Dejean, 1831.

II. Four front trochanters with constant hairs. Cheeks, clypeus, front, and prosternum naked. Supraorbital constant hairs not numerous. Pronotum with rudimentary lateral erect long fine hairs. Femora with long erect setæ at posterior margin, never uniformly clothed with fine decumbent hairs on the outer (or under) side. Constant hairs on the coxæ and the abdomen seldom numerous.

21. *sexguttata*, Fab., Syst. Ent., 1775.

guttata (per errorem?) Emmons, 1854.

thalassima, Dej. in litt.

varians, Ljungh, 1799.

quadriguttata, C. A. Davis, 1903.

Levettei, Casey, 1909.

tridens, Casey, 1909.

(cc-inorn-F) *violacea*, Fab., 1801.

(mountain or season form), Harris, Leng, 1902.

1) (con-F) *patruela*, Dej., 1825.

montana, Hentz in litt.

(nn-con-F) *consentanea*, Dej., 1825.

III. Four front trochanters with constant hairs. Cheeks, clypeus, and front naked. Pronotum at most laterally setose (always decumbent). Breast laterally at most scarcely pubescent. Femora seldom setose at posterior margin; never uniformly clothed on the outer (or under) side with short fine hairs but with fishhook hairs either alone or combined with distant, extra long fine hairs. Constant hairs on supraorbital margin, on coxæ, and on abdomen seldom numerous. Disc of abdomen never thickly punctate-pubescent. Third and fourth antennal joints without distant erect extra long hairs. Elytra sometimes with scattered foveæ, often discordally flattened in anterior third or strongly declivous at margin in the same portion.

22. *Chrysippe*,* Bates, Biol. Cent. Am., 1884.

23. *smaragdina*,* Chevrolat, Col. Mex., 1835.

24. *ioessa*,* Bates, Biol. Cent. Am., 1881.

25. *aterrima*,* Klug, Jahrbücher, 1834.

¹The name would be preoccupied if one should consider as worth naming this nn-cmpl-F, which sometimes flies together with the previously described race *rugifrons*, sometimes lives apart from it. Intergrading forms occur, as well as copulation between themselves (Johnson, Journ. N. Y. Ent. Soc. 2, 142, [1894]; C. A. Davis, Ent. News, Phil. 270, [1903]).

* Not noted by Dr. Horn as occurring north of Mexico.

- lugens*, Klug, 1834.
carbonaria, Chevrolat, 1835.
aethiops, Klug in litt.
26. *rugatilis*,* Bates, Trans. Ent. Soc. Lond., 1890.
semicircularis, Chaudoir in litt.
27. *semicircularis*,* Klug, Jahrbücher, 1834.
plurigemmata, Bates, 1890.
28. *nigrocœrulea*, Le Conte, Ann. Lyc. Nat. Hist. N. Y., 1848.
robusta, Leng, 1902.
feminalis, Casey, 1909.
triplicans, Casey, 1909.
velutoidea, Casey, 1909.
Snowi, Casey, 1909.
 (dlt-F) Bowditchi, Leng, 1902.
29. *euthales*,* Bates, Ann. Mag. Nat. Hist., 1882.
30. *nigrilabris*,* Bates, Trans. Ent. Soc. London, 1890.
 (v-c-F) *viatica*,* Chev. 1835 (name preoccupied).
filitarsis, Casey, 1909.
tumidifrons, Casey, 1909.
 (n-r-F) Townsendi,* Casey, 1913.
 (nn-F) *melania*,* Bates, 1890.
aterrima, Casey, 1909.
31. *Horni*, Schaupp, Bull. Brooklyn Ent. Soc., 1883'4.
 (nn-F) *anthracina*, G. Horn, 1880.
 (v-c-F) *Ritteri*, Bates, 1890.
32. *scotina*,* Bates, Trans. Ent. Soc. London, 1890.
 (vv-F) *chloris*, Hoege, 1897.
33. *luteolineata*,* Chevrolat, Rev. Mag. Zool., 1856.
flammula, Thomson, 1856.
34. *Craveri*,* Thomson, Rev. Mag. Zool., 1856.
35. *obsoleta*, Say, Journ. Acad. Nat. Sc. Phil., 1823.
 (cmpl-F) *vulturina*, Le Conte, 1853.
 (vv-F) *prasina*, Le Conte, 1856.
 1) *thalestris*,* Bates, 1890.
 2) *Santaclaræ*, Bates, 1890.
 "obsoleta var.," Le Conte, 1866.
 (nn-F) *anita*, Dow, 1911.

* Not noted by Dr. Horn as occurring north of Mexico.

- 3) juvenilis, W. Horn, 1897.
 4) latemaculata,* Becker, 1897.
36. *Catharinæ*,* Chevrolat, Col. Mex., 1835.
37. *punctulata*, Olivier, Ent., 1790.
micans, Fab. 1798.
obscura, Mels. 1806.
Jenisoni, Gistl, 1837.
boulderensis, Casey, 1909.
 (v-c-F) Chihuahua, Bates, 1890.
micans, Say, 1818.
38. *cyaniventris*,* Chevrolat, Col. Mex., 1834.
rugipennis, Dupont in litt.
corvina, Le Conte, 1856.
Walkeriana, Thomson, 1856.
Chevrolati, W. Horn, 1892.
- 1) *papillosa*,* Chaudoir, 1854.
 2) *chontalensis*,* Bates, 1874.
39. *guerrerensis*,* Bates, Trans. Ent. Soc. London, 1890.
40. *aeneicollis*,* Bates, Biol. Cent. Amer. Col., 1881.
 (vv-F) *viridis*, Becker, 1897 (*name preoc.*).
41. *tenuisignata*, Le Conte, Ann. Lyc. Nat. Hist. N. Y., 1851.
psilogramma, Bates, 1890.
42. *longicornis*,* W. Horn, Arch. Nat., 1913.
43. *fera*,* Chevrolat, Col. Mex., 1834.
tenuilineata, Aud. & Brullé, 1839.
44. *Digueti*,* W. Horn, Deuts. Ent. Zeit., 1897.
45. *Sinaloae*,* Bates, Trans. Ent. Soc. London, 1890.
46. *Schaefferi*,* W. Horn, Journ. New York Ent. Soc., 1903.
47. *severa*, Laferté, Rev. Zool., 1841.
 (cml-F) *yucatanana*,* Chaudoir in litt.
48. *striga*, Le Conte, Trans. Amer. Ent. Soc., 1875.

IV. Two front trochanters with, two middle trochanters without constant hairs. Cheeks, clypeus, front, pronotum, abdominal disc, and first antennal joint naked. Pro-episternum without combed row of setæ near the front coxæ, metasternum and abdomen never thickly clothed with white pubescence. Elytra¹ flattened on the disc in front, the margin in

¹ From the lack of material it must remain uncertain whether (as it seems) all the episterna, epimera and the entire abdomen are naked, also whether the elytra always show irregular scattered impressions.

* Not noted by Dr. Horn as occurring north of Mexico.

front more strongly declivous. Constant hairs nowhere numerous. Femora at posterior margin never clothed with long setæ. Mandibles usually concealed by the epistoma.

49. *Hoegeri*,* Bates, Biol. Cent. Amer. Col., 1881.

50. *nudata*,* W. Horn, nomen novum pro—
Beckeri, Hoege, 1897.

V. Two front trochanters with, two middle trochanters without constant hairs. Cheeks, clypeus, front, prosternum, abdominal disc, naked. Pronotum with setæ at sides only (recumbent). Pro-episternum at middle near the front coxæ with double rows of combed setæ. Metasternum and abdomen thickly clothed at sides with white pubescence. Constant hairs nowhere numerous. Femora closely clothed at posterior margin with long erect hairs.

51. *lemniscata*, Le Conte, Proc. Acad. Nat. Sci. Phil., 1854.
obscura, Hoege in litt.

VI. Four front trochanters without constant hairs. Cheeks (seldom with naked punctuation, bearing towards outer side at least short fine little hairs), clypeus, front (very seldom somewhat irregular with one or two discoidal hairs on the occiput), prosternum naked. Pronotum at the most setose laterally (always decumbent); the edges of the front and hind margin without a well developed fringe of hair. Constant hairs on supra-orbital margin, coxæ and abdominal disc seldom numerous. Abdomen often partly reddish, under side of body sometimes sparsely hairy. Femora at hind margin sometimes with long erect hair. Hind legs never elongate.

52. *abdominalis*, Fab., Syst. Eleuth., 1801.

faceta, Casey, 1913.

1) *scabrosa*, Schaupp, 1883'4.

"*abdominalis* var. *Cedar Keys*," Le Conte,
1875.

extenuata, Casey, 1913.

53. *politula*, Le Conte, Trans. Amer. Ent. Soc., 1875.

cribrum, Casey, 1913.

1) *laetipennis*,* W. Horn, 1913.

54. *radians*,* Chevrolat, Mag. Zool., 1841.

55. *Aurora*,* Thomson, Arcana Nat., 1859.

56. *Vasseleti*,* Chevrolat, Col. Mex., 1834.

57. *phosphora*,* Bates, Cist. Ent., 1878.

58. *rufiventris*, Dejean, Spec. Col., 1825.

collusor, Casey, 1913.

* Not noted by Dr. Horn as occurring north of Mexico.

- 1) *cumatilis*, Le Conte, 1851.
guexiana, Chevrolat, 1852.
- 2) *Hentzi*, Dejean, 1831.
haemorrhoidalis, Harris, 1828.
erythrogaster, Harris in litt.
- I. *sedecimpunctata*, Klug, 1834.
rubriventris, Chevrolat, 1835.
ventanasa, Bates, 1890.
sonorana, Casey, 1913.
- 1) *Mellyi*,* Chaudoir, 1852.
calochroides, Mots., 1857.
Sallei, Chev., 1835.
- II. *reducens*,* W. Horn, nomen novum pro—
reducta, W. Horn, 1897.
- 1) *Hoegeana*,* W. Horn, 1897.
- III. *Flohri*,* Bates, 1878.
- IV. *Beckeri*,* W. Horn, 1897.
- 59. *hydrophoba*,* Chevrolat, Col. Mex., 1835.
tenuisignata Fleut. in litt.
- 1) *quinenotata*,* Gistel, 1837.
- 2) *taretana*,* Bates, 1884.
- 60. *dysenterica*,* Bates, Biol. Cent. Amer. Col., 1881.
- 1) *Dugesi*,* Bates, 1884.
calomicra, Bates, 1890.
- 2) *deliciola*,* Bates, 1890.
- 3) *clarina*,* Bates, 1881.
despecta, Schaum in litt.
Truquii, Chaudoir in litt.
- 61. *nebuligera*,* Bates, Trans. Ent. Soc. London, 1890.
- 62. *flavopunctata*, Chevrolat, Col. Mex., 1834.
(hm-F) *humeralis*,* Chev., 1841.
chiapana, Bates, 1890.
(inorn-F) *ocellata*,* Klug, 1834.
incerta, Chevrolat, 1835.
- I. *rectilatera*, Chaudoir, 1843.
decostigma, Le Conte, 1856.
texana, Le Conte in litt.

* Not noted by Dr. Horn as occurring north of Mexico.

63. *marginipennis*, Dejean, Spec. Col., 1831.
 64. *roseiventris*,* Chevrolat, Col. Mex., 1834.
 semicircularis, Chev., 1835.
 1) *mexicana*,* Klug, 1834.
 decostigma, Chev. 1835.
 Belti, Bates, 1878.
 2) *linearis*,* W. Horn, 1905.
 65. *Klugi*,* Dejean, Spec. Col., 1831.
 neglecta, Klug in litt.
 Douei, Chenu, 1840.
 66. *carthagera*,* Dejean, Spec. Col., 1831.
 Hentzi, G. Horn, 1894.
 ?*Woodgatei*, Casey, 1913.
 1) *hæmorrhagica*, Le Conte, 1851.
 (nn-dlc-F) *bisignata*, Dokhturow, 1883.
 (nn-inorn-F) *pacifica*, Schaupp, 1883'4.
 2) *arizonae*, Wickham, 1899.
 67. *Sommeri*, Mannerheim, Bull. Soc. Nat. Mos., 1837.
 Höpfneri, Dejean in litt.
 fusconigra, Höpfner in litt.
 ruricola, Gistel, 1837.
 ferrugata, Putzeys, 1845.

VII. Two front trochanters with, two middle trochanters without constant hairs. Cheeks, clypeus, front, naked. Pronotum pubescent at least laterally, pubescence everywhere decumbent. Femora with short distant setæ at posterior margin, never uniformly clothed on the outer (under) side with short, fine, decumbent hairs. Constant hairs nowhere numerous. Elytra somewhat shining at times on the margins.

68. *praecisa*,* Bates, Trans. Ent. Soc. London, 1890.
 69. *speculans*,* Bates, Trans. Ent. Soc. London, 1890.
 70. *viridisticta*,* Bates, Biol. Cent. Amer. Col., 1881.
 71. *arizonensis*, Bates, Biol. Cent. Amer. Col., 1884.
 viridisticta, Schaupp ex parte, 1883'4.
 72. *Wickhami*, W. Horn, Deutsche Ent. Zeit., 1903.
 viridisticta, Schpp. ex parte, 1883'4.
 lemnisticta, Smyth, 1908.

* Not noted by Dr. Horn as occurring north of Mexico.

73. *argentata*, subsp. hemichrysea,* Chev., Col. Mex., 1835.

I. nebulosa,* Bates, 1874.

VIII. Four front trochanters with constant hairs. Cheeks, clypeus, front, abdominal disc, and first antennal joint naked. Prosternum often naked. Pronotum circummarginally (base perhaps sometimes naked) and discoidally pubescent (decumbent everywhere); the edge of the front and hind margin without well developed fringe of hair. Femora bearing at most fine sparse scattered extra long hairs on the posterior margin. Constant hairs sometimes fairly numerous.

74. *debilis*,* Bates, Trans. Ent. Soc. London, 1890.

1) *segnis*, E. D. Harris, 1913.

75. *celeripes*, Le Conte, Ann. Lyc. Nat. Hist. N. Y., 1848.

76. *cursitans*, Le Conte, Trans. Amer. Philos. Soc., 1856.

77. *nephelota*,* Bates, Ann. Mag. Nat. Hist., 1882.

78. *unipunctata*, Fab., Syst. Ent., 1775.

obsoleta, Dejean in litt.

79. *pusilla*, Say, Journ. Acad. Nat. Sci. Phil., 1817.

terricola, Say, 1824.

Sayanella, Casey, 1914.

1) *imperfecta*, Le Conte, 1851.

2) *cinctipennis*, Le Conte, 1848.

(v-c-dlc-F) *cyanella*, Le Conte, 1856.

3) *lunalonga*, Schaupp, 1883'4.

tuolumnae, Leng, 1902.

tularensis, Casey, 1914.

80. *Schauppi*, G. Horn, Trans. Amer. Ent. Soc., 1876.

81. *circumpicta*, Laferté, Rev. Zool., 1841.

collaris, Laferté, 1841.

Johnsoni, Fitch, 1856.

(cc-F) *ambiens*, Casey, 1913.

inspiciens, Casey, 1913.

82. *californica*, Ménétriés, Bull. Phys. Math. Acad. St. P., 1844.

1) *brevihamata*,* W. Horn, 1908.

2) *praetextata*, Le Conte, 1854.

fulgoris, Casey, 1913.

stringens, Casey, 1913.

IX. Four front trochanters with constant hairs. Cheeks, clypeus, front, and prosternum naked. Pronotum clothed with decumbent setæ

* Not noted by Dr. Horn as occurring north of Mexico.

over the entire extent of the sides;¹ towards the front margin setæ often extend nearly to the middle, so that the pronotum seems to be entirely pubescent (at the base I have never found the pubescence actually reaching the middle). Four front femora sometimes with feebly fishhook shaped, short hairs and always with quite fine sparse, scattered, extra long, hooked hairs. Abdominal disc more or less naked. Last joint of antennæ not arcuate. Supraorbital constant hairs not numerous.

83. *trifasciata*, subsp. *ascendens*, Le Conte, Ann. Lyc. Nat. Hist. [N. Y., 1851.

serpens, Le Conte, 1851.

trifasciata, Le Conte, 1848.

tortuosa, Le Conte, 1851.

sigmoidea, Chaudoir, 1854.

- 1) *sigmoidea*, Le Conte, 1851.

X. Four front trochanters with constant hairs. Cheeks, clypeus, and front naked. Prosternum setose. Pronotum circummarginally decumbently setose; sometimes a median stripe remains naked. Antennæ at least three-quarters as long as body, third and fourth joints with a few extra long setæ, sixth to eleventh joints more or less flatly arcuate, each with somewhat more elongate hairs at apex. Hind legs not elongate; at most with very feebly developed fishhook hairs on middle femora; front femur with closely placed extra long fine hairs. Abdominal disc closely punctate-pubescent.

84. *Gabbi*, G. Horn, Proc. Acad. Nat. Sc. Phil., 1866.

XI. Four front trochanters without constant hairs. Cheeks, clypeus, front, and prosternum naked. Pronotum clothed at least laterally with decumbent setæ (extending more broadly at front and hind margin); the disc seems to remain always naked; the edges of the front and hind margin with a well developed fringe of hair. Third antennal joint and at least the middle part of the fourth joint with a row of erect setæ at front margin; the apical setæ on the third and especially on the fourth joint are sometimes numerous; those of the third joint are white, those of the fourth joint yellowish in color. Hind legs (including claws) strongly elongate. Fourth tarsal joint beneath the insertion of the claw more or less elongate and provided with longer setæ.

85. *macrocnema*,* Chaudoir, Bull. Soc. Nat. Mos., 1852.

Batesi, W. Horn, 1894.

(alb-F) *albina*,* W. Horn, 1894 (name preoc.).

- 1) *obliquans*,* Chaudoir, 1865.

¹ Even at the middle of the pronotum the setæ often extend inward further than usual.

* Not noted by Dr. Horn as occurring north of Mexico.

86. *Leuconoe*,* Bates, Trans. Ent. Soc. London, 1890.

87. *chlorocephala*,* Chevrolat, Col. Mex., 1834.

1) *Smythi*, E. D. Harris, 1913.

XII. Four front trochanters without constant hairs. Cheeks, clypeus, and front naked. Prosternum setose. Pronotum at least circummarginally (decumbently) setose; at the base the setæ are often placed in front of the basal sulcus (upon the base of the true middle piece of the thorax). The fringe of hair on the edge of the front and hind margins of the pronotum is variably developed. Third antennal joint in front with a row of erect setæ, the fourth with a few white setæ at its apex. Hind legs not or but little elongate (ex parte *Habroscelimorpha*, Dokhturow).

88. *dorsalis*, Say, Journ. Acad. Nat. Hist. Phil., 1817.

signata, Dejean, 1825.

munifica, Casey, 1913.

semipicta, Casey, 1897.

media, Le Conte, 1856.

(alb-F) *castissima*, Bates, 1884.

1) (alb-F) *Saulcyi*, Guérin, 1840.

apricoidea, Casey, 1913.

(cml-F) *venusta*, Laferté, 1841.

Saulcyi, Schaupp, 1883'4.

89. *curvata*,* Chevrolat, Col. Mex., 1834.

XIII. Four front trochanters with constant hairs. Cheeks copiously clothed with decumbent pubescence. Clypeus, front, first antennal joint, prosternum, abdominal disc, naked. Prosternum setose only at sides (decumbently), extending more broadly at the front margin. Fringe of hair at edge of front and hind margin of pronotum not well developed. Four hind femora never with long erect setæ. Constant hairs nowhere numerous.

90. *euryscopa*,* Bates, Trans. Ent. Soc. London, 1890.

XIV. Four front trochanters with constant hairs. Cheeks thickly clothed with decumbent pubescence. Clypeus naked. Front naked except for a cluster of setæ above the antennal insertion. Pronotum circummarginally and discoidally clothed with decumbent pubescence. Prosternum pubescent. The edge of the front margin of the pronotum bears double hairs; besides the feebly developed fringe of hairs there are white setæ.

91. *pamphila*, Le Conte, Proc. Acad. Nat. Sci. Phil., 1873.

* Not noted by Dr. Horn as occurring north of Mexico.

XV. Four front trochanters with constant hairs. Cheeks thickly clothed with decumbent white setæ. Clypeus clothed either laterally or totally with decumbent setæ. The entire face of the front decumbently setose; on the middle part of the occiput the setæ are uniformly directed downwards. Pronotum circummarginally and discoidally decumbently setose. Meso-episterna of the female naked and usually deeply pitted. Elytra often with emargination at lateral apical angle. Epistoma sometimes with decumbent (ornamental) hairs. Sides of the sterna¹ and the abdomen clothed with white setæ (ex parte *Ellipsoptera*, Dokhturow).

92. *hamata*,* Audouin & Brullé, Arch. Mus. Hist. Nat. Paris, 1839.

Cristoforii, Chev., 1841.

Reichei, Chaud., 1843.

apicalis, Chaud. 1843.

- I. *lacerata*, Chaudoir, 1854.

hamata, G. Horn, 1876.

- 1) (alb-F) *pallifera*,* Chev., 1852.

canosa, G. Horn in litt.

93. *marginata*, Fab., Syst. Ent., 1775.

variegata, Dej., 1825.

94. *blanda*, Dejean, Spec. Col., 1831.

"*forma* γ ," Le Conte, 1848.

tarsalis, Le Conte, 1852.

95. *Wapleri*, Le Conte, Trans. Amer. Ent. Soc., 1875.

96. *nevadica*, Le Conte, Trans. Amer. Ent. Soc., 1875.

- 1) (cml-F) *Knausi*, Leng, 1902.

"*sperata* var. *Kackley*," Knaus, 1900.

97. *cuprascens*, Le Conte, Proc. Acad. Nat. Hist. Phil., 1852.

"*blanda* *forma* β ," Le Conte, 1848.

amnicola, Casey, 1913.

mundula, Casey, 1913.

- 1) *macra*, Le Conte, 1856.

"*blanda* *forma* α ," Le Conte, 1848.

mercurialis, Casey, 1913.

- 2) *puritana*, G. Horn, 1871.

- 3) *sperata*, Le Conte, 1856.

(vv-F) *marutha*, Dow, 1911.

(r-F) *rubicunda*, E. D. Harris, 1911.

¹ In the species *Cicindela hamata* to *cuprascens* there are on the front middle margin of the pro-episterna a few setæ which are not decumbent.

* Not noted by Dr. Horn as occurring north of Mexico.

- 4) *inquisitor*, Casey, 1897.
 98. *lepida*, Dejean, Spec. Col., 1831.
 insomnis, Casey, 1913.
 99. *togata*, Laferté, Rev. Zool., 1841.
 (dlt-F) *fascinans*, Casey, 1914.
 1) *globoicollis*, Casey, 1913.
 apicalis, W. Horn, 1897.
 100. *gratiosa*, Guérin, Rev. Zool., 1840.
 1) *hirtilabris*, Le Conte, 1875.

XVI. Four front trochanters with constant hairs. Cheeks, clypeus, and front naked. Pronotum usually circummarginally and discoidally pubescent (the hairs at least in part erect). All the femora provided with a uniform thick more or less short fine decumbent pubescence on the entire outer (under) side and on the greater part of the inner (upper) side and without long erect hairs or coarse setæ. Tibiæ and tarsi with distant erect setæ and with thick fine short decumbent hairs. Elytra ovoid, convex, without humeral angles. Supraorbital constant hairs never specially numerous (*Dromochorus*, Guérin).

101. *Pilatei*, Guérin, Bull. Soc. Ent. France, 1845.
 maga, Le Conte, 1875.
 102. *Belfragei*, Sallé, Bull. Soc. Ent. France, 1877.
 Pilatei, Le Conte, 1875.
 sericea, Casey, 1897.
 pruinina, Casey, 1897.

The description of *Cicindela ventralis*, of Newman, in Edward Doubleday's Travels in Florida (The Ent. Mag., V, 414, 1838) seems to have been overlooked by Dr. Horn. As the name is but a synonym of *C. abdominalis* Fab., the omission is unimportant but perhaps should be noted to complete the record. See also G. Horn's note on the subject in Entomologica Americana I. 3. June, 1885 [Editors].

INDEX

abdominalis, Fab.C	11	Blaisdelli, CaseyO	2
“ var., Lec.C	11	blanda, Dej.C	17
abrupta, CaseyC	5	“ forma α , Lec.C	17
admiscens, CaseyC	6	“ forma β , Lec.C	17
aeneicollis, BatesC	10	“ forma γ , Lec.C	17
aethiops, KlugC	9	borealis, CaseyO	1
affinis, Dej.T	3	“ HarrisC	6
albertina, CaseyC	5	boulderensis, CaseyC	10
albilabris, KirbyC	6	Bowditchi, LengC	9
albina, W. HornC	15	brevihamata, W. HornC	14
albohirta, Dej.C	5	brunnescens, CaseyO	2
amadeensis, CaseyC	7	bucolica, CaseyC	5
ambiens, CaseyC	14		
ambiguus, SchauppO	1	calgaryana, Casey :.....C	6
Amblycheila , SayC		californica, Mén.C	14
annicola, CaseyC	17	californicus, Esch.O	1
amoena, Lec.C	5	calochroides, Mots.C	12
ancocisconensis, HarrisC	5	calomicra, BatesC	12
angustata, Chev.T	3	canadensis, CaseyC	6
angusto-cylindricus, W. Horn.O	2	canosa, G. HornC	17
anita, DowC	9	carbonaria, Chev.C	9
anthracina, G. HornC	9	carolina, HarrisC	7
apicalis, Chaud.C	17	“ LinnéT	3
“ W. HornC	18	carthagera, Dej.C	13
apricoides, CaseyC	16	castissima, BatesC	16
ardelio, CaseyC	5	Catharina, HarrisC	5
argentata, Fab.C	14	Catharinae, Chev.C	10
arizonae, WickhamC	13	celeripes, Lec.C	14
arizonensis, BatesC	13	Chevolati, Chaud.T	3
ascendens, Lec.C	15	“ W. HornC	10
aterrima, CaseyC	9	chiapana, BatesC	12
“ KlugC	8	Chihuahuae, BatesC	10
audax, CaseyC	7	chloris, HoegéC	9
Audouini, ReicheO	1	chlorocephala, Chev.C	16
Auduboni, Lec.C	4	chontalensis, BatesC	10
“ Lec.C	4	Chrysippe, BatesC	8
auguralis, CaseyC	4	Cicindela , LinnéC	3
Aurora, ThomsonC	11	cimarrona, Lec.C	5
awemeana, CaseyC	5	cinctipennis, Lec.C	14
		circumpicta, Laf.C	14
baltimorensis, Lec.C	5	clarina, BatesC	12
Baroni, RiversA	1	cochisensis, CaseyC	7
Batesi, W. HornC	15	collaris, CaseyO	2
Beckeri, HoegéC	11	“ Laf.C	14
“ W. HornC	12	collusor, CaseyC	11
Belfragei, SalléC	18	compositus, CaseyO	2
bellissima, LengC	6	confluens, CaseyO	1
Belti, BatesC	13	conquisita, CaseyC	4
bisignata, Dokh.C	13	consentanea, Dej.C	8

corvina, Lec.C	10	fera, Chev.C	10
Craveri, ThomsonC	9	ferrugata, Putz.C	13
cribripennis, CaseyO	2	filitarsis, CaseyC	9
cribrum, CaseyC	11	flammula, ThomsonC	9
Criddlei, CaseyC	7	flavopunctata, Chev.C	12
crinifrons, CaseyC	6	Flohri, BatesC	12
Cristoforii, CaseyC	17	formosa, SayC	4
cumatilis, Lec.C	12	franciscana, CaseyC	4
cuprascens, Lec.C	17	fraterculus, CaseyO	2
cursitans, Lec.C	14	Fuchsi, W. HornO	2
curvata, Chev.C	16	fulgida, SayC	7
cyarella, Lec.C	14	fulgoris, CaseyC	14
cyanides, BatesT	3	fuliginosa, BatesT	3
cyaniventris, Chev.C	10	fuscconigra, Höpf.C	13
cylindricus, CaseyO	2		
cylindriformis, SayA	1	Gabbi, G. HornC	15
" ThomsonA	1	Gebirgs-Lecontei, W. Horn ..O	2
		generosa, Dej.C	4
debilis, BatesC	14	geniculata, Chev.T	3
decemnotata, SayC	5	globicollis, CaseyC	18
decostigma, Chev.C	13	gracilentia, CaseyC	4
" Lec.C	12	gracilior, CaseyO	2
degener, CaseyO	1	graminea, CaseyC	4
Dejeani, Lec.C	5	" SchauppC	4
" ReicheO	1	" SchauppC	4
deliciola, BatesC	12	gratiosa, GuérinC	18
denticulata, HarrisC	7	gravida, Lec.C	5
denverensis, CaseyC	4	guerrerensis, BatesC	10
depressula, CaseyC	7	guexiana, Chev.C	12
despecta, SchaumC	12	guttata, EmmonsC	8
diffRACTA, CaseyC	6	guttifera, Lec.C	7
Digueti, W. HornC	10		
discus, KlugC	4	haemorrhagica, Lec.C	13
dorsalis, SayC	16	haemorrhoidalis, HarrisC	12
Douei, ChenuC	13	hamata, Aud. & Br.C	17
Dowiana, CaseyC	5	" G. HornC	17
Dugesii, BatesC	12	Harrisi, LengC	8
Dunni, CaseyO	3	hemichrysea, Chev.C	14
duodecimguttata, Dej.C	5	Hentzi, Dej.C	12
dysenterica, BatesC	12	" G. HornC	13
		hirticollis, GouldC	5
echo, CaseyC	7	" SayC	5
Edwardsi, CrotchO	2	hirtilabris, Lec.C	18
eldorensis, CaseyC	5	Hoegeana, W. HornC	12
elongatus, CaseyO	3	Hoegei, BatesC	11
" W. HornO	2	Höpfneri, Dej.C	13
erythrogaster, HarrisC	12	horiconensis, LengC	6
eureka, Fall.C	7	Horni, Lec.O	2
euryscopa, BatesC	16	" SchauppC	9
euthales, BatesC	9	Hornianus, W. HornO	1
exoleta, CaseyC	7	humeralis, Chev.C	12
extenuata, CaseyC	11	" Lec.C	5
		humeroplanatus, W. Horn ...O	1
faceta, CaseyC	11	hydrophoba, Chev.C	12
fascinans, CaseyC	18	hydropica, DupontC	5
feminalis, CaseyC	9	hyperborea, G. HornC	6

hyperborea, Lec.C	4	luxuriosa, CaseyC	4
imperfecta, Lec.C	14	macra, Lec.C	17
incerta, Chev.C	12	macrocnema, Chaud.C	15
inducta, CaseyC	4	maga, Lec.C	18
inquisitor, CaseyC	18	manitoba, LengC	4
insomnia, CaseyC	18	marginalis, Fab.C	4
inspiciens, CaseyC	14	marginata, Fab.C	17
intermedio-pronotalis, W. Horn	O 2	marginipennis, Dej.C	13
intermedius, LengO	2	maricopa, LengC	7
interpunctata, Mels.C	5	maritimus, CaseyO	3
ioessa, BatesC	8	marutha, DowC	17
Jenisoni, GistlC	10	media, Lec.C	16
Johnsoni, FitchC	14	Megacephala, Lat.	3
juvenilis, W. HornC	10	melania, BatesC	9
Kirbyi, Lec.C	6	Mellyi, Chaud.C	12
Klugi, Dej.C	13	mercurialis, CaseyC	17
Knausi, LengC	17	mexicana, GrayT	3
lacerata, Chaud.C	17	" KlugC	13
laetipennis, W. HornC	11	micans, Fab.C	10
laevis, Lec.O	2	" SayC	10
Lantzi, HarrisC	5	mimus, CaseyO	1
lassenica, CaseyC	6	" W. HornO	1
latecincta, Lec.C	4	minor, LengC	6
latemaculata, BeckerC	10	mirabilis, CaseyC	4
latesignata, Lec.C	5	moapana, CaseyC	6
Laurenti, SchauppC	6	modesta, Dej.C	7
lauta, CaseyC	4	" Dej.C	8
Lecontei, Hald.C	7	montana, Lec.C	6
" G. HornO	3	" HentzC	8
lemniscata, Lec.C	11	montanus, CaseyO	2
lemnisticta, SmythC	13	mundula, CaseyC	17
Lengi, W. HornC	4	munifica, CaseyC	16
lepida, Dej.C	18	mutans, HarrisC	7
Leuconoe, BatesC	16	nebraskana, CaseyC	6
Levettei, CaseyC	8	nebuligera, BatesC	12
levis, Lec.O	2	nebulosa, BatesC	14
limbalis, KlugC	5	neglecta, KlugC	13
limbata, SayC	4	nephelota, BatesC	14
limbigera, Gem. & Har.C	4	nevadica, Lec.C	17
linearis, W. HornC	13	nigrilabris, BatesC	9
lobatus, CaseyO	2	nigrior, SchauppC	8
longicornis, W. HornC	10	nigrita, DavisC	5
longilabris, SayC	6	nigrocoerulea, Lec.C	9
" var., Lec.C	6	nudata, W. HornC	11
longipes, CaseyA	1	Nunenmacheri, W. HornO	2
longitarsis, CaseyO	2	nympha, CaseyC	4
lucidicollis, CaseyO	2	Oberleitneri, GistlC	7
Ludoviciana, LengC	5	obliquans, Chaud.C	15
lugens, KlugC	9	obliquata, Dej.C	6
lugubris, CaseyO	2	" KirbyC	6
lunalonga, SchauppC	14	obliviosa, CaseyC	5
luteolineata, Chev.C	9	obscura, HøgeC	11
		" Mels.C	10

obscura, Say	C	8	quinquenotata, Gistl	C	12
obsoleta, Dej.	C	14	radians, Chev.	C	11
“ Say	C	9	ramosa, Mels.	C	4
“ var., Lec.	C	9	rectilatera, Chaud.	C	12
ocellata, Klug	C	12	reducens, W. Horn	C	12
Omus, Esch.	I	2	reducta, W. Horn	C	12
opacellus, Casey	O	4	regularis, Casey	O	3
oreada, Casey	C	7	Reichei, Chaud.	C	17
oregona, Lec.	C	7	repanda, Dej.	C	5
“ Lec.	C	1	Ritteri, Bates	C	9
oregonensis, Casey	O	6	robusta, Leng	C	9
Oslari, Leng	C	6	roguensis, Harris	C	6
ostenta, Casey	C	7	roseiventris, Chev.	C	13
ovalipennis, Casey	C	13	rubicunda, Harris	C	17
pacifica, Schaupp	C	17	rubriventris, Chev.	C	12
pallifera, Chev.	C	16	rufiventris, Dej.	C	11
pamphila, Lec.	C	10	rugatilis, Bates	C	9
papillosa, Chaud.	C	6	rugifrons, Dej.	C	7
parallelonota, Casey	C	7	rugipennis, Casey	O	1
parowana, Wickham	C	2	“ Dupont	C	10
parvicollis, Casey	O	1	“ VanDyke	O	2
parvulus, Casey	O	8	ruricola, Gistl	C	13
patruela, Dej.	C	6	Sallei, Chev.	C	12
perviridis, Schaupp	C	11	Santaclaræ, Bates	C	9
phosphora, Bates	C	1	Sayanella, Casey	C	14
Picolomini, Reiche	A	1	Saulcyi, Guérin	C	16
“ Rivers	A	18	“ Schaupp	C	16
Pilatei, Guérin	C	18	scabrosa, Schaupp	C	11
“ Leconte	C	7	scapularis, Casey	C	7
pimeriana, Lec.	C	2	Schaefferi, W. Horn	C	10
Placer Co.-Form, VanDyke ..	O	6	Schauppi, G. Horn	C	14
placerensis, Casey	C	9	Schwarzi, W. Horn	A	1
plurigemmata, Bates	C	6	scotina, Bates	C	9
plutonica, Casey	C	11	sculptilis, Casey	O	1
politula, Lec.	C	5	scutellaris, Say	C	7
ponderosa, Thomson	C	13	sedecimpunctata, Klug	C	12
praecisa, Bates	C	14	segnis, Harris	C	14
praetextata, Lec.	C	9	semicircularis, Chaud.	C	9
prasina, Lec.	C	2	“ Chev.	C	13
procerus, Casey	O	2	“ Klug	C	9
pronotalis, Casey	O	5	semipicta, Casey	C	16
proteus, Kirby	C	18	senilis, Casey	C	7
pruinina, Casey	C	7	“ G. Horn	C	7
pseudosenilis, W. Horn	C	10	sequoiarum, Crotch	O	2
psilogramma, Bates	C	4	“ var. Crockeri, W.		
pugetana, Casey	C	7	“ Horn	O	2
pulchra, Say	C	1	sericea, Casey	C	18
punctifrons, Casey	O	10	serpens, Lec.	C	15
punctulata, Oliv.	C	17	severa, Laferté	C	10
puritana, G. Horn	C	4	sexguttata, Fab.	C	8
purpurea, Oliv.	C	14	sierra, Leng	C	6
pusilla, Say	C	8	Sierra Co.-Form, W. Horn ..	O	1
quadriguttata, Davis	C	7	sierricola, Casey	O	2
quadripennis, Casey	C		sigmoidea, Chaud.	C	15

sigmoidea, Lec.C	15	Truquii, Chaud.C	12
signata, Dej.C	16	tularensis, CaseyC	14
Sinaloae, BatesC	10	“ CaseyO	2
smaragdina, Chev.C	8	tumidifrons, CaseyC	9
Smythi, HarrisC	16	tuolumnae, Leng.C	14
Snowi, CaseyC	9	turbulenta, CaseyC	6
sobrina, Dej.T	3	unicolor, Dej.C	7
solidulus, CaseyO	1	unijuncta, CaseyC	5
Sommeri, MannC	13	unipunctata, Fab.C	14
sonoma, CaseyC	7	unita, KollarC	5
sonorana, CaseyC	12	VanDykei, W. HornO	1
speculans, BatesC	13	varians, HarrisC	7
sperata, Lec.C	17	“ LjunghC	8
“ var., KnausC	17	variata, HarrisC	7
spissipes, CaseyO	2	variegata, Dej.C	17
spissitarsis, CaseyC	6	Vasseleti, Chev.C	11
splendida, HentzC	4	velutoidea, CaseyC	9
“ Lec.C	5	ventanasa, BatesC	12
spretta, Lec.C	4	ventralis, NewmanC	18
“ Lec.C	4	venusta, Laf.C	16
sterope, CaseyC	7	“ Lec.C	4
striga, Lec.C	10	vermiculatus, CaseyO	1
stringens, CaseyC	14	versuta, CaseyC	4
sublevis, HoppingO	2	vestalia, LengC	6
submetallicus, G. HornO	1	viatica, Chev.C	9
“ RiversO	1	“ Lec.C	7
superba, DahlC	4	vibex, G. HornC	6
taretana, BatesC	12	violacea, Fab.C	8
tarsalis, Lec.C	17	virginata, LinnéT	3
temperatus, CaseyO	2	virginica, LinnéT	3
tenuicincta, BlaisdellC	5	viridis, BeckerC	10
“ SchauppC	6	viridissima, FallC	6
tenuilineata, Aud. & Br.C	10	viridisticta, BatesC	13
tenuisignata, Fleut.C	12	“ SchauppC	13
“ Lec.C	10	“ SchauppC	13
terricola, SayC	14	vulgaris, SayC	5
Tetracha , HopeC	3	vulgaris-minor, HarrisC	6
texana, Lec.C	12	vulturina, Lec.C	9
thalassima, Dej.C	8	Walkeriana, ThomsonC	10
thalestris, BatesC	9	Wapleri, Lec.C	17
togata, Laf.C	18	wichitana, CaseyC	6
tortuosa, Lec.C	15	Wickhami, W. HornC	13
Townsendi, CaseyC	9	Willistoni, Lec.C	7
tranquebarica, HerbstC	5	Woodgatei, CaseyC	13
transversa, LengC	4	Xanti, Lec.O	1
tridens, CaseyC	8	yucatana, Chaud.C	10
trifasciata, Dej.C	15		
“ Lec.C	15		
triplicans, CaseyC	9		

The Editors regret that in transcribing Dr. Horn's table of the Tetrachæ some omissions have, inadvertently, been made, all of forms not noted by Dr. Horn as occurring north of Mexico. To the list printed on p. 3, *carolinensis*, Lat., and *Boisduvali* and *Hopfneri*, Gistl should be added as forms of *T. carolina*, L.; *ignea*, Bates as subspecies of *T. sobrina*, Dej., and *obscura*, Dej. as form of *T. angustata*, Chevr.

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